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(54) **Data entry method and system for personal computer, and corresponding computer readable medium**

(57) In one aspect of the present invention a user can rapidly enter and search for data, such as text, using a data entry system by entering one or more characters on a digital keyboard with a pointing device. With the digital keyboard the user can create words, phrases and other character sequences. As the user enters a character sequence, a mechanism for character prediction visually informs the user of which set of characters on the digital keyboard are most likely to have the character that the user wishes to next enter as part of the text. In another aspect of the present invention, as the user forms a character sequence (partial text entry), the character sequence is used to search a dictionary for a set of completion candidates that begin with the character sequence. The data entry system retrieves completion candidates from the dictionary by determining which completion candidates in the dictionary are more likely to be the ones that the user is attempting to type. A rapid navigation system provides for enhanced navigation and retrieval of completion candidates from the dictionary.

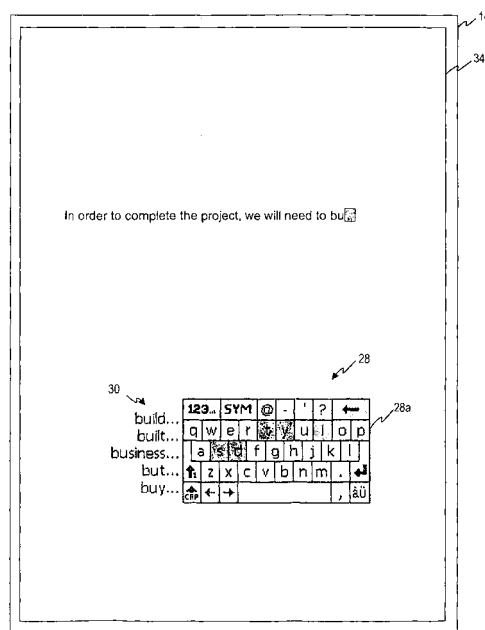


FIG. 3



EUROPEAN SEARCH REPORT

Application Number
EP 07 02 2182

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 5 963 671 A (STROHM WILLIAM DENNIS ET AL) 5 October 1999 (1999-10-05) * column 3, line 25 - column 4, line 12 * * column 6, line 6 - line 26; claims; figures 2-8 *	1,2, 10-12, 15,18-20	INV. G06F3/023 G06F3/033
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A	----- WO 00/57265 A (GUNN HAROLD DAVID ;WORDLOGIC SYSTEMS INC (CA); CHAPMAN JOHN (CA)) 28 September 2000 (2000-09-28) * the whole document * ----- -/--	1-13,15, 16,18-20	
<p>6 The present search report has been drawn up for all claims</p>			
Place of search Munich		Date of completion of the search 24 February 2009	Examiner Quesson, Christophe
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
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6 The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 24 February 2009	Examiner Quesson, Christophe
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03.82 (P04C01)



Application Number

EP 07 02 2182

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-13, 15-16, 18-20

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
EP 07 02 2182

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-13, 15-16, 18-20

data entry system and method with data entry system with
display of completion candidates and enhancement of
predicted characters

2. claim: 14

display of selectable choices on an arc shaped list

3. claim: 17

combination of pen input with voice in a character entry
system

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 07 02 2182

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

24-02-2009

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